

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P493654

Luminaire Tested: **LDA2B059040R60D010 2LBD1H**

Issue Date: 3/8/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P493654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B059040R60D010 2LBD1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

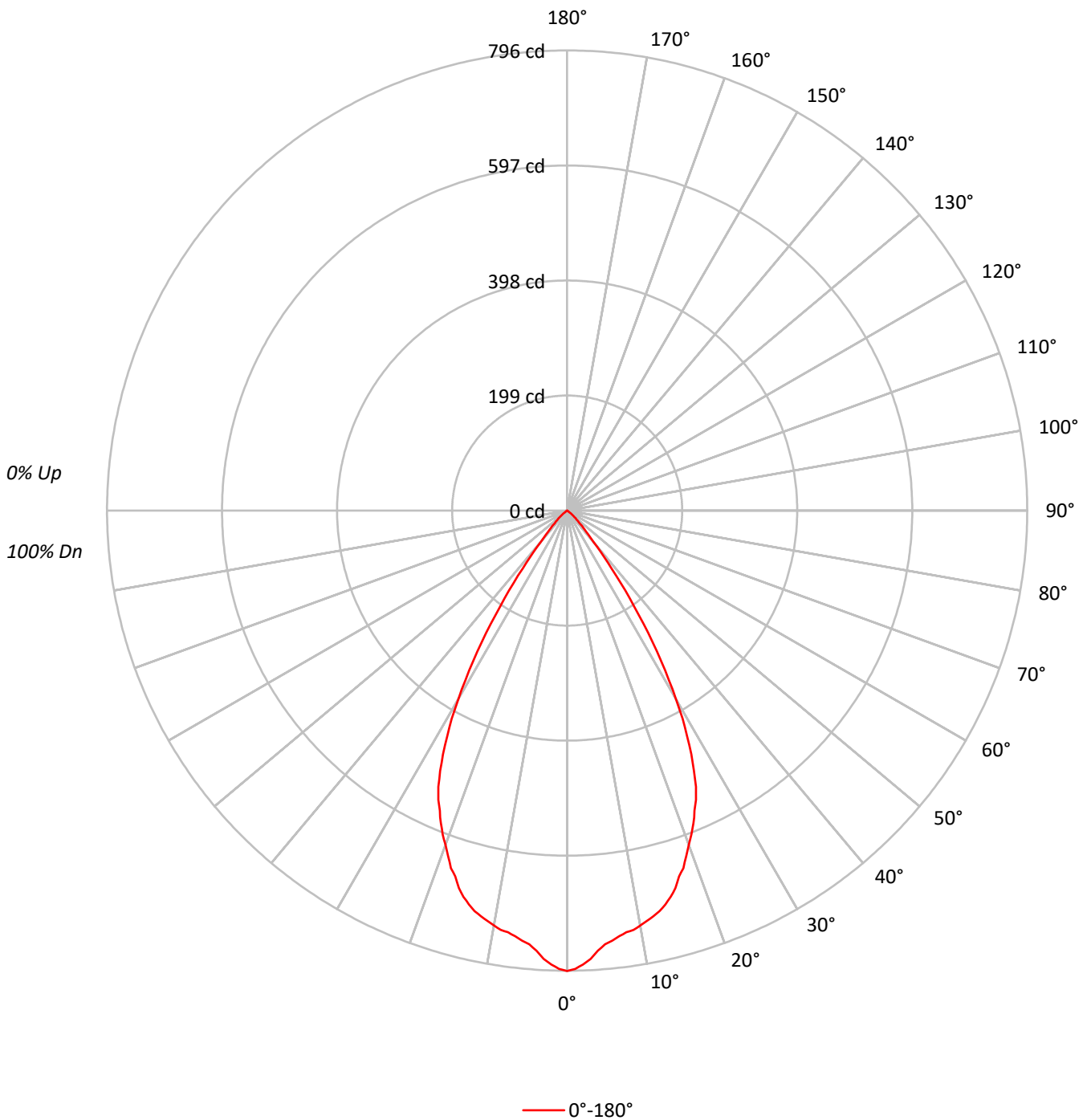
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.3 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P493654
CATALOG NUMBER: LDA2B059040R60D010 2LBD1H

Luminous Intensity Polar Plot





TEST NUMBER: P493654

CATALOG NUMBER: LDA2B059040R60D010 2LBD1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	66	74	69	65		73	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64	60	57	56
10	73	64	58	55	72	64	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	392963
5°	373020
10°	365159
15°	353450
20°	323153
25°	286935
30°	214657
35°	121179
40°	45598
45°	20443
50°	9978
55°	1978
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P493654

CATALOG NUMBER: LDA2B059040R60D010 2LBD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	10.9
10°-20°	192.2	29.3
20°-30°	234.8	35.8
30°-40°	128.1	19.5
40°-50°	25.6	3.9
50°-60°	3.7	0.6
60°-70°	0.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	498.4	75.9
0°-40°	626.4	95.4
0°-60°	655.7	99.9
0°-90°	656.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	796	
5°	753	71
15°	692	192
25°	527	235
35°	201	128
45°	29	26
55°	2	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P493654

CATALOG NUMBER: LDA2B059040R60D010 2LBD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	796.5
1°	792.8
2°	785.8
3°	776.5
4°	763.2
5°	753.2
6°	747.9
7°	741.6
8°	736.6
9°	734.3
10°	728.9
11°	723.0
12°	717.6
13°	711.3
14°	702.0
15°	692.0
16°	679.4
17°	661.8
18°	650.5
19°	632.2
20°	615.5
21°	600.2
22.5°	574.6
23°	564.0
24°	547.7
25°	527.1
26°	500.8
27°	473.2
28°	441.6
29°	411.7
30°	376.8
32.5°	289.0
35°	201.2
37.5°	126.0
40°	70.8
42.5°	44.2
45°	29.3
47.5°	20.0
50°	13.0
52.5°	6.7
55°	2.3
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3



TEST NUMBER: P493654

CATALOG NUMBER: LDA2B059040R60D010 2LBD1H

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)